

DES

TEXAS WATER RIGHTS COMMISSION / INTEROFFICE MEMORANDUM

TO : The Commission

DATE: October 20, 1975

FROM : Permits Division

SUBJECT: Empire Development Company  
Regular Application  
Tributary Brushy Creek, Cypress Basin  
Harrison County

Application Received:

August 18, 1975.

Quantity and Source  
of Water Requested:

Nonconsumptive use of water impounded in an existing on-channel reservoir (Lake Deerwood) on an unnamed tributary Brushy Creek, tributary Big Cypress Bayou.

Purpose and Place of Use:

For recreational purposes on the applicant's property in the Alexander Allbright Survey, Abstract No. 24, 16 miles NW of Marshall, Texas.

Dam and Reservoir Data:

Location:

Center station on the centerline of the dam is N 25° 50' W, 4,385 feet from the SE corner of the aforesaid survey.

Capacity:

240 acre-feet

Surface Area:

25 acres

Fees:

Paid.

Dam Safety Section:

The subject structure was inspected on September 3, 1975. Deficiencies noted were: 1) minor tree growth on both slopes of the dam. 2) minor waveaction erosion on the upstream slope; 3) moderate to severe erosion along the downstream slope; and 4) numerous seeps along most of the downstream slope.

A county road is just below the structure.

A detailed report is in the file.

Hydrology Section:

The existing structure has only a 16-inch iron pipe spillway which extends through the upper portion of the embankment with its invert about 5.2 feet below the top of dam.

The structure has sufficient surcharge storage capacity to store the entire runoff of an appropriate test flood and, therefore, is accepted as adequate.

October 20, 1975

A detailed report is in the file.

Remarks:

Applicant has been provided a copy of this memorandum.

Recommendation:

1. That the application be filed;
2. That the applicant be advised that floorslab elevations of any homes to be built adjacent to the reservoir be restricted to above the top of dam elevation.

A. E. Richardson

RVP:ls  
Attachment